

Product datasheet for **RG204225**

WDFY2 (NM_052950) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDFY2 (NM_052950) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDFY2
Synonyms:	PROF; WDF2; ZFYVE22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204225 representing NM_052950 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGAGATCCAGCCCAAGCCTCTGACCCGAAGCCGATCCTGCTGCAGCGGATGGAGGGTCCC
AGGAGGTGGTGAATATGGCCGTGATCGTGCCCAAAGAGGAGGGCGTCATCAGCGTCTCCGAGGACAGGAC
AGTTCGTGTTGGTTAAAGAGAGACAGTGGACAGTATTGGCCAAGCGTATACCATGCAATGCCTTCTCCA
TGTTTCATGCATGTCTTTAACCCGAAACAAGAAGACTGTCCATAGGTCTAGACAATGGTACAATCTCAG
AGTTTATATTGTCAGAAGATTATAACAAGATGACTCCTGTGAAAACTATCAAGCGCATCAGAGCAGAGT
GACGATGATCCTGTTTGTCTGGAGCTGGAGTGGGTGCTGAGCACAGGACAGGACAAGCAATTTGCCTGG
CACTGCTCTGAGAGTGGGCGAGCGCTGGGAGGTTATCGGACCAAGTGTGTGGCCTCAGGCCGTCAATTTG
ATGTTGAAACCCGGCATGTGTTATCGGTGACCACTCAGGCCAAGTAACAATCCTCAAATGGAGCAAGA
AACTGCACCCCTGGTCACAACATTCAGAGGACACACAGGTGGGGTGACCGCTCTCTGTTGGGACCCAGTC
CAGCGGTGTTGTTCTCAGGCAGTTCAGATCACTCTGTATCATGTGGGACATCGGTGGGAGAAAAGGAA
CAGCCATCGAGCTCAAGGACACAACGACAGAGTCCAGGCCCTCCTATGCACAGCACACGCGACAATT
GATCTCCTGTGGCGGTGATGGTGGGATTGTCGTCTGGAACATGGACGTGGAGAGGAGAGACCCCTGAA
TGTTGGACAGTATTCTGCCAAAAGTGTGATCAGCCTTCTTCTGGAACCTCAAGCAAATGTGGGACA
GTAAGAAAATTGGTCTAAGACAGCACCCTGCCGCAAGTGTGGGAAGCGCTCTGTGGCAAAGTGCAGCTC
CAAGCGCTCCTCCATCCCCTGATGGGCTTCGAGTTTGAAGTGAAGGCTGTGTGACAGCTGCCACGAGGCC
ATCACAGATGAAGAAGTGCACCCACAGCCACCTTCCATGACAGTAAACATAACATTGTGCATGTGCATT
TCGATGCAACCAGAGGATGGTTACTGACTTCTGGAAGTGAACAAGTTATTAAGTTGTGGGATATGACCCC
AGTCGTGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204225 representing NM_052950
 Red=Cloning site Green=Tags(s)

MAAEIQPKPLTRKPILLQRMEGSQEVVNMMAVIVPKEEGVISVSEDRTVRVWLKRDSGQYWPSVYHAMPSP
 CSCMSFNPETRRLSIGLDNGTISEFILSEYDYNKMPVKNYQAHQSRVTMILFVLELEWVLTGQDKQFAW
 HCSESGQRLGGYRTSAVASGLQFDVETRHFVIGDHSQGVITLKLEQENCLVTTFRGHTGGVTALCWDPV
 QRVLFSGSSDHSVIMWDIGGRKGTAEIQGHNDRVQALSYAQHTRQLISCGGDGGIVVWNMDVERQETPE
 WLDSDSQCQKCDQPFWFNFKQMWDSKKIGLRQHHCRCGKAVCGKCSSKRSSIPLMGFEFVVRVCDSCHEA
 ITDEERAPTATFHDSKHNIHVHVFDA TRGWLLTSGTDKVIKLDWMTPVVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052950

ORF Size: 1200 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_052950.4](#)

RefSeq Size: 3809 bp

RefSeq ORF: 1203 bp

Locus ID: 115825

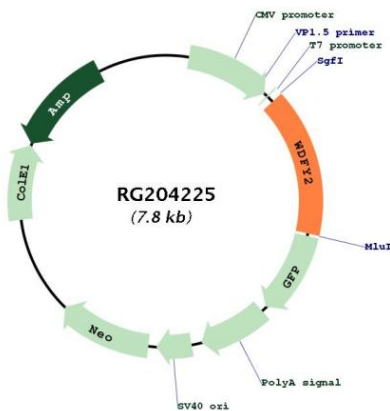
UniProt ID: [Q96P53](#)

Cytogenetics: 13q14.3

Domains: FYVE, WD40

Gene Summary: This gene encodes a protein that contains two WD domains and an FYVE zinc finger region. The function of this gene is unknown. An alternatively spliced transcript variant of this gene may exist. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204225